ASSORTMENT OVERVIEW

Our Products for the Aerospace Industry

Application	Product	Benefit	Backing	Total thickness [µm]	Adhesion to steel [N/cm]	Temperature resistance [°C]	Color
Masking							
Straight line masking	tesa® 4334	• Precise and flat paint edges • Stick flush to surfaces to prevent paint tears • High adhesion	Flat paper	90	1.85	NA	Yellow
	tesa® 4104	• Precise and flat paint edges • Stick flush to surfaces to prevent paint tears	PVC film	67	3.6	NA	Black, white, red, orange, yellow, blue, green
Window masking	tesa® 7133[1)]	• Flame retardant • Protection against dirt and damage	PP film	80	1.8	120	Blue
	tesa® 7140	• Suitable for converting and die-cutting	PVC film	168	4.0	170	Yellow
	tesa® 50530	• Film and adhesive are environmentally friendly • Preserves paint finish up to 9 mo. in outdoor storage • UV resistant • Can be applied directly after painting	Polyolefinic film	80	1.0	NA	White
Curved, fine line masking	tesa® 4174	• No shrinkage at high temperatures	PVC film	110	3.7	150	Cream
	tesa® 4244	• Suitable for rough surfaces • Conforms to edges and curves	PVC film	137	4.2	140	Yellow
Masking during medium to high drying temperatures	tesa® 4308[2)]	• Sharp paint edges • Ideal for lacquering work	Slightly-creped paper	170	4.0	100	Blue
	tesa® 4317	• Easy to remove	Slightly-creped paper	140	3.3	80	Cream
	tesa® 4309	• Good flexibility for curved edges • Can be used on painted metal, rubber, glass and chrome parts	Slightly-creped paper	170	3.5	120	Brown
	tesa® 4318	• Suitable for solvent or water based paint systems, followed by oven drying	Slightly-creped paper	170	4.0	160	Brown
Large area masking	tesa® 4368	• 2-in-1 solution with masking and protective film • For smooth and slightly textured surfaces	Slightly-creped paper	140	3.4	NA	Transparent
	tesa® 4392	• Tear resistant • Clings very well to the surface due to the electrostatic charge	PE film	16	6.9	115	Light blue
Window seal masking	tesa® 4308[2)]	• Sharp paint edges • Extremely flexible for curved lines • Suitable for 2 component or water based paints	Slightly-creped paper	170	4.0	100	Blue
	tesa® 4244	• Suitable for rough surfaces • Conforms to edges and curves	PVC film	137	4.2	140	Yellow
General purpose masking	tesa® 4329	• Suitable for oven drying up to 70°C • Easy to use	Slightly-creped paper	125	2.8	70	Cream
	tesa® 4323	• Easy to handle • Easy removal from the surface	Slightly-creped paper	125	3.0	NA	Cream

[1)] Certified according to FAR 25.853(a), [2)] Qualified according to Boeing BAC5034-4

Application	Product	Benefit	Backing	Total thickness [µm]	Adhesion to steel [N/cm]	Temperature resistance [°C]	Color
Specialty masking							
Protection during sandblasting	tesa® 4434	• Designed for manual cutting • Thick and resistant paper backing • Protection against sandblasting and grinding	Flat paper	670	2.7	60	Yellow
	tesa® 4432[3)]	• Suitable for stencil material in sandblasting • Ideal for glass, mirrors and stone surfaces • Strong and resistant paper backing	Flat paper	330	8.0	100	Cream
Protection during powder coating	tesa® 4331	• High thermal resistance • Residue free removal	PET/ non-woven	110	4.0	200	Cream
	tesa® 50600	• High temperature resitance • Removes in one piece without leaving residue • Also available with liner	PET	80	4.0	220	Green
	tesa® 50650	• Sharp paint edges • Good comfortability	PET	55	3.3	220	Blue
Anodizing	tesa® 61126	• High temperature resistance • Suitable during composite production	PET	125	4.3	200	Red
Component manufacturing							
Composite manufacturing	tesa® 4800[1)]	• Suitable for die cuts • Abrasion resistance • Excellent resistance against chemicals and solvents	PTFE coated glass cloth	175	5.5	260	Blue
Composite manufacturing i.e. honeycomb milling	tesa® 4964[1) 3)]	• Well suited for rough surfaces • Residue-free removability • High immediate adhesion	Cloth	390	7.5	100	White
	tesa® 4432[3)]	• For masking applications during sandblasting • Strong and resistant paper backing	Flat paper	330	8.0	100	Cream
	tesa® 4316[3)]	• Thin and flexible • Suitable for oven drying up to 100° C	Slightly-creped paper	140	3.4	100	Cream
Protection							
Anti-slip	tesa® 60950[1)]	• Suitable for demanding surfaces • No shrinkage after application	PVC film	810	5.8	50	Black/yellow, transparent, fluorescent, black
	tesa® 60951	• Suitable for demanding surfaces • No shrinkage after application • Able to be torn by hand	PVC film	810	10.0	50	Black/yellow
	tesa® 60953	• Suitable for demanding surfaces • High Anti-slip effect of up to 1–2 years	PVC film	850	10.0	50	Black/yellow, transparent, fluorescent
Impact surface protection	tesa® 50995	• Permanently protect surfaces • Protects against corrosion, shock, abrasion, scratches and heavy loads	PU film	285	15.0	NA	Black/yellow, transparent, fluorescent
	tesa® 4438	• High durability and temperature resistance • Residue-free removal • UV resistance	Slightly-creped paper	170	4.0	NA	Brown, pink, yellow, blue
	tesa® 50540	• Reliable protection for painted surfaces • Comprised of an air bubble film	Polyolefinic film	4200	0.5	NA	Blue translucent

[1)] Certified according to FAR 25.853(a), [3)] Qualified according to Airbus AIPI 03-02-08

Application	Product	Benefit	Backing	Total thickness [µm]	Adhesion to steel [N/cm]	Temperature resistance [°C]	Color
Interior assembly							
Insulation protection	tesa® 50575	• High thermal conductivity • Resistant to strong acids and base solutions	Aluminium foil	120	4.0	160	Silver
	tesa® 50525	• Conformable • High thermal conductivity	Aluminium foil	60	5.0	160	Silver
Permanent mounting	tesa® 7094	• Suitable for low surface energy substrates • Processability in production environments with temperatures down to 0°C	Foamed acrylic	1000	40.0	80	Deep black
Pre-mounting	tesa® 51960[1)]	• Residue-free removability • Very high tack on many commonly used surfaces • Resistant to ageing and plasticizers (no discoloration of PVC/CV floorings)	PP film reinforced by fabric	248	4.7	60	Translucent
Mirror mounting	tesa® 4952	• Shock absorption • Compensates for design tolerances	PE foam	1150	6.5	80	White
	tesa® 4957[1)]	• Residue-free removal • High ageing resistance	PE foam	1100	4.0	80	Black, white
	tesa® 70440	• Superior push out and shock resistance • Easy removability • Very good adhesion	none	400	23.0	90	White
Floor laying	tesa® 51960[1)]	• Residue-free removal • Very high tack on many commonly used surfaces • Resistant to ageing and plasticizers (no discoloration of PVC/CV floorings)	PP film reinforced by fabric	248	4.7	60	Translucent
	tesa® 4964[1) 3)]	• Well suited for rough surfaces • Hand tearability • High immediate adhesion	Cloth	390	7.5	NA	White
Temporary surface protection	tesa® 4848	• Residue-free removal within four weeks of application • Resistant against chemicals, physical stress and moisture	PE film	48	NA	NA	Translucent
	tesa® 7133[1)]	• Flame retardant • Protection against dirt and damage	PP film	80	1.8	120	Blue
	tesa® 51132	• Good adhesion PP, ABS and textile surfaces • Easy disposal/environmentally friendly	PE film	85	2.8	NA	Translucent
	tesa® 51136	• Interior protection smooth or rougher surfaces • Residue-free removability	PE film	105	2.4	100	Green
	tesa® 51134	• For masking large areas of plastic parts • Interior protection	PE film	84	2.4	90	Transparent
Avionics							
LCD and backlight mounting	tesa® 7100[4)]	• Excellent light blocking performance • Excellent peel strength and shear resistance • Very high electrical resistance	PET film	100	7.5	100	Black
	tesa® 62906	• Compensates for design tolerances or uneven surfaces • Excellent temperature resistance performance	PE foam	600	18.0	100	Black
Touch panel mounting	tesa® 61055	• Very high shock performance • High thermal and cold shock resistance • Light blocking	Acrylic	300	12.5	90	Black
	tesa® 7808	• Excellent cold shock performance • High humidity and UV resistance • Compensate for different thermal elongation of bonded parts	Foamed acrylic	800	26.0	NA	Deep black
Cover lens bonding	tesa® 69608	• Gap filling performance • Excellent temperature, humidity and UV resistance • Excellent ITO stability (acid free)	none	200	NA	NA	Transparent

[1)] Certified according to FAR 25.853(a), [3)] Qualified according to Airbus AIPI 03-02-08, [4)] Certified according to UL 510

Application	Product	Benefit	Backing	Total thickness [µm]	Adhesion to steel [N/cm]	Temperature resistance [°C]	Color
Component labeling							
Signage	tesa® 4965[1) 5)]	• Immediate usability right after assembly • Suitable for the most demanding applications • Suitable for heavy stress, high temperature, or critical substrates	PET film	205	11.5	100	Transparent
Marking and identification	tesa® 6930	• Heat, abrasion and chemical resistant • High contrast and excellent marking precision	Acrylic	NA	NA	120	Black, white, silver
	tesa® 6937	• Tamper evident identification label • Not removable without destruction of the label	Acrylic	NA	NA	120	Black/white
Interior lighting and electrical insulation							
Flexible printed circuit	tesa® 8853	• High conformability for uneven surfaces • High ageing resistance	Ultra thin non-woven	50	5.3	NA	Translucent
	tesa® 8854	• Good adhesion values on polar substrates • Good temperature resistance performance	Non-woven	100	8.1	NA	Translucent
Interior lighting	tesa® 4965[1) 5)]	• Immediate usability right after assembly • Suitable for heavy stress, high temperature, or critical substrates	PET film	205	11.5	100	Transparent
	tesa® 4972	• Resistance to demanding environmental conditions • Excellent performance in converting processes	PET film	48	7.0	100	Transparent
Other applications							
Sealed area masking	tesa® 4308[2)]	• Sharp and clean paint edges • Easy removal after drying	Slightly-creped paper	170	4.0	100	Blue
	tesa® 51901	• High tack properties for an excellent first contact	PET	80	2.5	NA	Transparent
Cargo securing	tesa® 4124	• Excellent performance on all kind of cardboards • Used for manual or automatic processes	PVC film	65	3.2	NA	Brown
Floor marking	tesa® 4169	• Excellent for permanent and heavy-duty marking • Suitable for indoor and outdoor applications • Resistant to high mechanical stress	Soft PVC	180	1.8	NA	Black, green, white, blue, red, yellow, yellow/black
	tesa® 60760[1)]	• Good adhesion on many different surfaces • Able to be torn by hand • For temporary marking and low duty hazard warnings	Soft PVC	150	2.0	NA	Yellow, red, white, blue, green, black/yellow red/white safety stripe
Anti corrosion	tesa® 4600[4)]	• Allows a water tight, permanent sealing • Suitable wet, warm, dirty or oily surfaces	NA	500	NA	260	Black
Cable fixation	tesa® 50118 PV1	• Suitable for irregular, rough, and critical surfaces • Excellent damping properties	PET fleece	570	NA	NA	White
	tesa® 4173 PV2[1)]	• Temperature resistance • Flexible and able to be torn by hand	PVC film	126	1.8	105	Black
Wire harnessing	tesa® 51036 PV9	• High temperature resistance • High abrasion resistance	PET cloth	260	5.0	150	Black, orange

[1)] Certified according to FAR 25.853(a), [2)] Qualified according to Boeing BAC5034-4, [4)] Certified according to UL 510, [5)] Qualified according to Airbus ABS 5648

tesa SE
Phone: +49 40 88899 0
tesa.com/company/locations